TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Part I : Seminar Initiation</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Editors' Note</td>
<td>i</td>
</tr>
<tr>
<td>Acronyms and Abbreviations</td>
<td>v</td>
</tr>
<tr>
<td>Welcome Address</td>
<td>1</td>
</tr>
<tr>
<td>Rajan Subedi</td>
<td></td>
</tr>
<tr>
<td>Theme of the Seminar</td>
<td>2</td>
</tr>
<tr>
<td>Prachanda Pradhan</td>
<td></td>
</tr>
<tr>
<td>FMIS Promotion Trust in 2000 - 2002</td>
<td>5</td>
</tr>
<tr>
<td>Upendra Gautam</td>
<td></td>
</tr>
<tr>
<td>Honor Awards</td>
<td>8</td>
</tr>
<tr>
<td>Closing Remarks</td>
<td></td>
</tr>
<tr>
<td>Trilokya Nath Upraiti</td>
<td>21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part II : Key Note Speeches</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How Farmer Managed Irrigation Systems Build Social Capital to Outperform Agency Managed Systems that Rely Primarily on Physical Capital</td>
<td>25</td>
</tr>
<tr>
<td>Elinor Ostrom</td>
<td></td>
</tr>
<tr>
<td>Understanding and Utilizing the Softer Aspects of 'Software' for Improving Irrigation Management</td>
<td>33</td>
</tr>
<tr>
<td>Norman Uphoff</td>
<td></td>
</tr>
<tr>
<td>Farmer Managed Irrigation Systems and Subsistence Agriculture in Nepal</td>
<td>64</td>
</tr>
<tr>
<td>Robert Yoder</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part III : Trust Supported Activities</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formation of New Farmer Managed Irrigation Systems and their Dynamism</td>
<td>79</td>
</tr>
<tr>
<td>Min Bikram Malla Thakuri, Tej Prasad Subedi, Ajay Chandra Lal and Rupa Lamichhane</td>
<td></td>
</tr>
</tbody>
</table>
Recrafting the Role of Education for FMIS Knowledge Promotion
Lakshmi Narayan Choudhari and Hari Krishna Shrestha .................................................. 98

Sub-Watershed Study in Khadgabhanjyang, Nuwakot
Shiva Kumar Sharma ................................................................. 108

Inventory of Irrigation Systems in Kathmandu District, Nepal
Shambhu Prasad Dulal and Prachanda Pradhan ......................... 121

Irrigation Systems in the Highlands of Nepal: Examples from Tila River of Jumla District
Devi Dutta Devkota and Prachanda Pradhan .............................. 129

Water Users Associations towards Diversified Activities
Prachanda Pradhan and Upendra Gautam ................................. 138

Part IV : Research Findings on FMIS in the Changed Context
Farmer Participation in Rajapur Irrigation Rehabilitation Project: From Confidence to Confusion
Duman Thapa ............................................................................. 151

Public Interventions and Changing Irrigation Institutions
Dhruba Panta ............................................................................... 160

Assessing the Performance of Farmer Managed Irrigation System: An Evidence from Hakra 4R Distributory, Southern Punjab, Pakistan
Naeem Akhtar, Abdul Hamid and Mian Abdul Wahid .......................... 183

Irrigation Technology and Devolution of Water Management Tasks
Umesh Nath Parajuli ................................................................. 193
Contribution of Irrigation to Sustaining Rural Livelihoods
John Skutsch ................................................................. 207

Gender and Policy on FMIS in the Changed Context
Pranita Bhushan Udas ................................................... 230

Competing for Water: The Implications for Agriculture in Viewing Water as an Economic Good
Synne Movik .................................................................. 248

A Study of River Water Economics of two Villages in Borders of two States in South India
A.V. Ramana Charyulu .................................................... 272

Managing Water for Irrigation as a Common Property Resource: A Proposal for the Ethnographic Study of Irrigators in Anthropology
Laya Prasad Uprety ............................................................ 282

Intervention in Montane Farmer Managed Irrigation Systems of Thailand and Vietnam: How Participatory and Dynamic are the Process?
Ganesh P. Shivakoti ............................................................ 305

Indigenous Knowledge and Practices in Shringighaat Simuniya Saatgaon Irrigation System
Shishir Prasad Aryal ............................................................ 324

Part V : Country Reports
Hill Irrigation in Valais (Swiss Alps): Recent Evolution of Common Property Corporations
Emmanuel Reynard ........................................................... 343

Irrigation Management Transfer Experience of Lao People's Democratic Republic
Phalasack Pheddara ........................................................... 362

Some Experiences and Lessons on the Role of Community in Participatory Irrigation Management in Tuyen Quang Province, Vietnam
Nguyen Xuan Tiep ........................................................... 371
Country Report on FMIS in Cambodia
Sona Chy, Mao Sannay, Te Ouvkim, Sin Vuthy and Pang Peng ........................................ 380

Reflections on Bangladesh: Guidelines for Participatory Water Management (2000)
Dirk R. Frans .............................................................. 387

Irrigation Privatization and Role of Shallow Tubewells in the Context of Smallholder Rice Farming in Bangladesh
Tofazzal Hossain Miah .................................................... 410

Part VI : Final Session
Panel Discussion on Future Directions for FMIS
Charles L Abernethy .......................................................... 423
Norman Uphoff
Linden Vincent
Surya Nath Upadhyay

Vote of Thanks
Lava Raj Bhattarai ............................................................ 434

Annexes
Annex 1  Seminar Program  
Annex 2  List of Participants  
Annex 3  Photographs